Allied Telesyn
Simply connecting the IP world

AT-FS705LE

10/100Base Ethernet Switch

Installation Guide

PN 613-50138-00 Rev C

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960 Stewart Drive Suite B, Sunnyvale CA USA 94086

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Electrical Safety and Emission Statement

Standards: This product meets the following standards.

U.S. Federal Communications Commission	
Declaration Of Conformity	
Manufacture Name:	Allied Telesyn, Inc.
Manufacture Address:	960 Stewart Drive, Suite B Sunnyvale, CA 94086 USA
Manufacture Telephone:	408-730-0950
Declares that the product:	Ethernet Switch
Model Number:	AT-FS705LE
This product complies with FCC Part 15B, Class B Limits:	
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.	
Radiated Energy	
Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:	
- Reorient or relocate the receiving antenna.	
- Increase the separation between the equipment and the receiver.	

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RFI Emission EN55022 Class B ✍ 1

Warning: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. ✍ 2

Immunity EN50082-1 ✍ 3

Electrical Safety UL 1950, EN60950, VCCI Class B ✍ 4

Important: Appendix A contains translated safety statements for installing this equipment. When you see the ✍, go to Appendix A for the translated safety statement in your language.

Wichtig: Anhang A enthält übersetzte Sicherheitshinweise für die Installation dieses Geräts. Wenn Sie ✍ sehen, schlagen Sie in Anhang A den übersetzten Sicherheitshinweis in Ihrer Sprache nach.

Vigtigt: Tillæg A indeholder oversatte sikkerhedsadvarsler, der vedrører installation af dette udstyr. Når De ser symbolet ✍, skal De slå op i tillæg A og finde de oversatte sikkerhedsadvarsler i Deres eget sprog.

Belangrijk: Appendix A bevat vertaalde veiligheidsopmerkingen voor het installeren van deze apparatuur. Wanneer u de ⚠ ziet, raadpleeg Appendix A voor vertaalde veiligheidsinstructies in uw taal.

Important: L'annexe A contient les instructions de sécurité relatives à l'installation de cet équipement. Lorsque vous voyez le symbole ⚠, reportez-vous à l'annexe A pour consulter la traduction de ces instructions dans votre langue.

Tärkeää: Liite A sisältää tämän laitteen asentamiseen liittyvät käännetyt turvaohjeet. Kun näet ⚠-symbolin, katso käännettyä turvaohjetta liitteestä A.

Importante: l'Appendice A contiene avvisi di sicurezza tradotti per l'installazione di questa apparecchiatura. Il simbolo ⚠, indica di consultare l'Appendice A per l'avviso di sicurezza nella propria lingua.

Viktig: Tillegg A inneholder oversatt sikkerhetsinformasjon for installering av dette utstyret. Når du ser ⚠, åpner du til Tillegg A for å finne den oversatte sikkerhetsinformasjonen på ønsket språk.

Importante: O Anexo A contém advertências de segurança traduzidas para instalar este equipamento. Quando vir o símbolo ⚠, leia a advertência de segurança traduzida no seu idioma no Anexo A.

Importante: El Apéndice A contiene mensajes de seguridad traducidos para la instalación de este equipo. Cuando vea el símbolo ⚠, vaya al Apéndice A para ver el mensaje de seguridad traducido a su idioma.

Obs! Bilaga A innehåller översatta säkerhetsmeddelanden avseende installationen av denna utrustning. När du ser ⚠, skall du gå till Bilaga A för att läsa det översatta säkerhetsmeddelandet på ditt språk.

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Welcome to Allied Telesyn

This guide contains instructions on how to install the AT-FS705LE Ethernet Switch.

Where to Find Web-based Guides

The Allied Telesyn web site at **www.alliedtelesyn.com** offers you an easy way to access the most recent documentation, software, and technical information for all of our products. For product guides, select "Support & Services" from our web site.

Document Conventions

This guide uses the following conventions:

> **Note**
> A note provides additional information.

Caution
Cautions informs you that performing or omitting a specific action may result in equipment damage or loss of data.

Warning
Warnings informs you that performing or omitting a specific action may result in bodily injury.

Contacting Allied Telesyn Technical Support

You can contact Allied Telesyn technical support online or by telephone or e-mail.

Online Support

You can request technical support online by accessing the Knowledge Base at **kb.alliedtelesyn.com**. You can use the Knowledge Base to submit questions to our technical support staff and review answers to previously asked questions.

Telephone Support

For technical support by phone, contact Allied Telesyn at one of the following locations:

Americas
United States, Canada, Mexico, Central America, South America
Tel: 1 (800) 428-4835

Germany
Switzerland, Austria, Eastern Europe
Tel: (+49) 30-435-900-126

Asia
Singapore, Taiwan, Thailand, Malaysia, Indonesia, Korea, Philippines, China, India, Hong Kong
Tel: (+65) 3815-612

Italy
Spain, Portugal, Greece, Turkey, Israel
Tel: (+39) 02-41-30-41

Australia
Tel: 1 (800) 000-880

Japan
Tel: (+81) 3-3443-5640

France
Belgium, Luxembourg, The Netherlands, Middle East, Africa
Tel: (+33) 0-1-60-92-15-25

United Kingdom
Denmark, Norway, Sweden, Finland, Iceland
Tel: (+0044) 1235-442500

E-mail Support

Latin America, Mexico, Puerto Rico, Caribbean, and Virgin Islands
latin_america@alliedtelesyn.com

Europe
support_europe@alliedtelesyn.com

Returning Products

Products for return or repair must first be assigned a Return Materials Authorization (RMA) number. A product sent to Allied Telesyn without a RMA number will be returned to the sender at the sender's expense.

To obtain an RMA number, contact Allied Telesyn's Technical Support at one of the following locations:

North America
Toll-free: 1-800-762-1664
Fax: 1-425-806-1050

Europe, Africa, and the Middle East
Tel: +44-1793-501401
Fax: +44-1793-431099

Latin America, the Caribbean, Virgin Islands
Tel: international code + 425-481-3852
Fax: international code + 425-481-3895

Puerto Rico
Tel: 1-800-424-5012, ext 3852
or
1-800-424-4284, ext 3852

Mexico
Toll-free: 800-424-5012, ext 3852
Fax: international code + 425-482-3895

Asia and Southeast Asia
Tel: +65-381-5612
Fax: +65-383-3830

Australia
Toll-free: 1-800-000-880
Fax: +61-2-9438-4966

New Zealand
Toll-free: 0800-45-5782

FTP Server

If you need management software for an Allied Telesyn managed device and you know the file name of the software, you can download the software by connecting directly to our FTP server at **ftp:alliedtelesyn.com**. At login, enter 'anonymous' for the user name and your e-mail address for the password.

For Sales or Corporate Information

You can contact Allied Telesyn for sales or corporate information at the location below:

Allied Telesyn, Inc.
19800 North Creek Parkway, Suite 200
Bothell, WA 98011
Tel: 1 (425) 487-8880
Fax: 1 (425) 489-9191

Tell Us What You Think

If you have any comments or suggestions on how we might improve this or other Allied Telesyn documents, please fill out the General Enquiry Form online. This form can be accessed by selecting "Contact Us" from **www.alliedtelesyn.com**.

AT-FS705LE Fast Ethernet Switch

Overview

The AT-FS705LE Ethernet Switch is a 10Base-T/100Base-TX unmanaged switch. The switch provides you with a simple, cost-effective solution for Ethernet switching between end-nodes operating at either 10 Mbps or 100 Mbps.

Figure 1 and Figure 2 show the front and back panels of the switch.

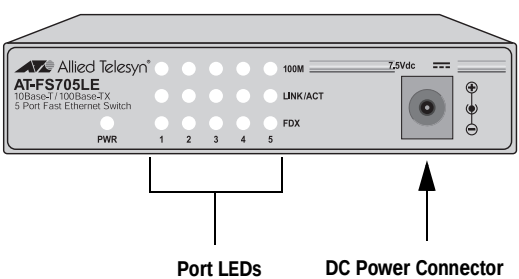

Figure 1 AT-FS705LE Front Panel

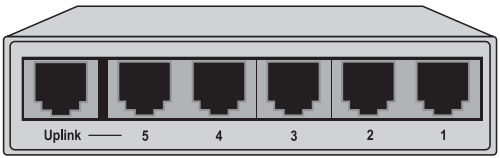

Figure 2 AT-FS705LE Back Panel

Features

The AT-FS705LE switch has the following features:

- ❑ Five auto-negotiating 10/100 Mbps twisted pair ports with RJ-45 connectors
- ❑ One Uplink port for connecting the AT-FS705LE switch to another switch or hub without a crossover cable
- ❑ IEEE 802.3 and IEEE 802.3u compliant
- ❑ External AC/DC power adapter
- ❑ Small compact size for use on a desktop or wall-mountable

Physical Description

The physical description for the switch includes:

- ❑ Ports 1 through 4
- ❑ Port 5 and the Uplink port
- ❑ LEDs
- ❑ Power supply

Ports 1 Through 4

Ports 1 through 4 can operate at either 10 Mbps or 100 Mbps and in either half- or full-duplex mode. The ports, featuring RJ-45 connectors, are configured as MDI-X, meaning that you can connect a workstation or server to one of the ports without using a crossover cable. The ports have a maximum operating distance of 100 meters (328 feet) using Category 5 cable.

The ports are IEEE 802.3u auto-negotiation compliant. This means that the ports can automatically configure their speed and duplex mode to match the capabilities of the end-nodes connected to the ports.

Port 5 and the Uplink Port

Port 5 and the Uplink port allow you to connect an additional workstation to the switch or interconnect the switch with another switch or hub, without the use of a crossover cable. If you need to connect an additional workstation to the switch, use Port 5, which is configured as MDI-X. If you need to connect the switch to another Ethernet switch, use the Uplink port, which is configured as MDI.

Both Port 5 and the Uplink port offer 10 Mbps or 100 Mbps performance and auto-negotiation operation for both speed and duplex mode. Both ports feature a RJ-45 connector and have a maximum operating distance of 100 meters (328 feet) using Category 5 cable.

Note
You can use either Port 5 or the Uplink port, but you cannot use both simultaneously.

Status LEDs

Refer to Table 1 for a description of the switch's LEDs.

Table 1 LEDs

LEDs	Color	Description
PWR	Green	Power is applied to the switch.
100M	Green	The port is operating at 100 Mbps.
	OFF	The port is operating at 10 Mbps.
LINK/ACT	Green	A valid link has been established on the port.
	Flashing	Data is being transmitted or received on the port.
FDX	Green	The port is operating in full-duplex mode.
	OFF	The port is operating in half-duplex mode.

Power Supply

The AT-FS705LE switch uses an external AC/DC power adapter that comes standard with the switch.

Network Topologies

Figure 3 illustrates a network that consists of one AT-FS705LE switch used to interconnect four workstations and a server. In this configuration, the Uplink port is not used.

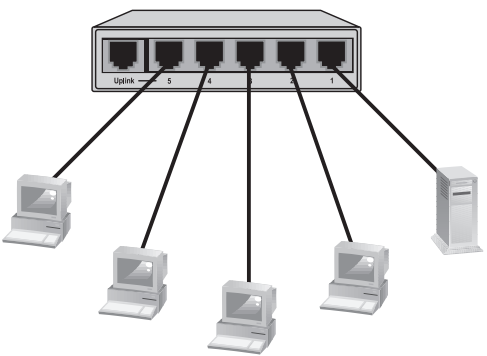

Figure 3 Single AT-FS705LE Switch Topology

Figure 4 illustrates a network of two AT-FS705LE switches that have been interconnected using the Uplink ports on the two units. Using the Uplink ports eliminates the need for a crossover cable to interconnect the switches.

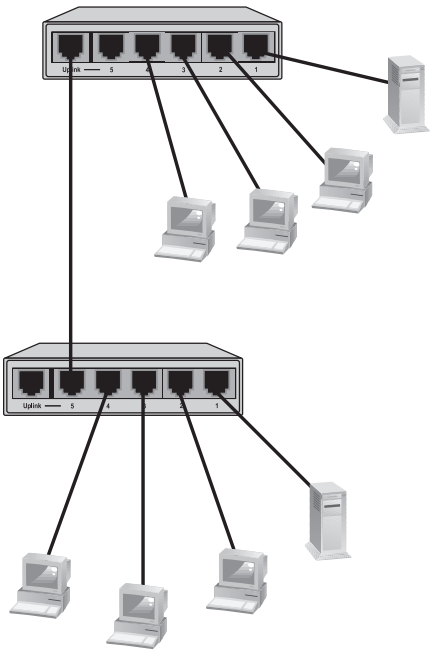

Figure 4 Multiple AT-FS705LE Switch Topology

Installing the Switch

This section contains the procedures for installing the switch.

Verifying the Package Contents

Make sure the following items are included in your package. If any item is missing or damaged, contact your Allied Telesyn sales representative for assistance.

- ❑ An AT-FS705LE Ethernet Switch
- ❑ An external power adapter
- ❑ Four self-adhesive rubber feet
- ❑ This installation guide
- ❑ Warranty card

> **Note**
> For wall-mount installation, the screws, plastic anchors, and any other material necessary to physically mount the switch to the wall are not provided.

Selecting a Site

Be sure to observe the following requirements when choosing a site for your switch.

- ❑ Make sure you are placing the switch in a dust-free and moisture-free environment.
- ❑ Do not block the ventilation openings on the unit. Allow at least 10 centimeters (4 inches) of space at the front and back of the unit for ventilation.
- ❑ Make sure that the switch's power is accessible and cables can be connected easily.
- ❑ Cabling should be away from sources of electrical noise such as radios, transmitters, broadband amplifiers, power lines, and fluorescent fixtures.
- ❑ Do not place objects on top of the switch.
- ❑ Use dedicated power circuits or power conditioners to supply power to the switch.

❑ Observe the following cabling specifications:

Ports	Connector Type	Type of Cable	Maximum Distance
1 through 5	RJ-45	Category 5	100 m (328 ft)
Uplink	RJ-45	Category 5	100 m (328 ft)

Reviewing Safety Guidelines

Please review the following safety guidelines before installing the switch.

Warning
Power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. 5

Caution
Pluggable Equipment: The socket outlet should be installed near the equipment and should be easily accessible. 6

Caution
Air vents: The air vents must not be blocked on the unit and must have free access to the room ambient air for cooling. 7

Caution
Operating Temperature: This product is designed for a maximum ambient temperature of 40°C. 8

Caution
All Countries: Install this product in accordance with local and National Electric Codes. 9

Caution
Europe - EU: Use TÜV licensed AC adapter of DC 7.5V, 1A. 10

Caution
USA/Canada: Use a UL Listed/CSA Certified AC adapter of DC 7.5V, 1A. 11

Installing the Switch on a Desktop

To use the switch on the desktop, perform the following procedure. To wall-mount the switch, refer to “Installing the Switch on a Wall” on page 14.

1. Remove all the items from the shipping package and store the packaging material in a safe place.

2. Attach the four self-adhesive rubber feet to the bottom of the switch, positioning them in the indentations.

3. Place the switch on a flat, level surface.

Warning
The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord.
5

4. Plug the AC/DC power adapter into an appropriate AC power outlet and insert the power plug into the DC receptacle located on the front of the switch.

5. Make sure the PWR LED, is green. If the LED is OFF, refer to “Troubleshooting” on page 16.

6. Attach the data cables to the switch ports. Do not use a crossover cable to connect workstations or servers to ports 1 through 5. Do not use a crossover cable to connect another switch or hub to the Uplink port.

   Note
   You can use either Port 5 or the Uplink port, but you cannot use both simultaneously.

7. Power ON the end-nodes.

8. Check that the LINK/ACT LEDs for each port on the switch are green. If the LEDs are OFF, refer to “Troubleshooting” on page 16 for instructions.

The switch is now ready for use.

Installing the Switch on a Wall

For wall-mount installation, you can position the switch vertically or horizontally using the keyhole cutouts in the bottom of the switch.

1. If previously attached, remove the rubber feet, data cables, and the DC power cord from the switch.

2. Select a wall location for the switch.

> **Note**
> For wall-mount installation, the screws, plastic anchors, and any other material necessary to physically mount the switch to the wall are not provided.

3. Install two plastic anchors and two pan-head screws into the wall, separated by 5 centimeters (approximately 2 inches).

4. Position the switch onto the wall screws.

> **Warning**
> The power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord. ⁄ 5

5. Plug the AC/DC power adapter into an appropriate AC power outlet and insert the power plug into the DC receptacle located on the front of the switch.

6. Make sure the PWR LED, is green. If the LED is OFF, refer to "Troubleshooting" on page 16.

7. Attach the data cables to the switch ports. Do not use a crossover cable to connect workstations or servers to ports 1 through 5. Do not use a crossover cable to connect another AT-FS705LE switch to the Uplink port.

   Note
   You can use either Port 5 or the Uplink port, but you cannot use both simultaneously.

8. Power ON the end-nodes.

9. Check that the LINK/ACT LEDs for each port on the switch are green. If the LEDs are OFF, refer to "Troubleshooting" on page 16 for instructions.

The switch is now ready for use.

Warranty Registration

When you have finished installing the product, register your product by completing the enclosed warranty card and sending it in. You can also fill out the registration online by selecting “Warranties” under “Support & Services” from **www.alliedtelesyn.com**.

Troubleshooting

Follow the guidelines below to test and troubleshoot the installation in the event a problem occurs.

If the PWR LED is OFF, do the following:

- ❑ Check to be sure that the power adapter is securely connected to the power source and to the DC connector on the front of the AT-FS705LE switch.
- ❑ Check to be sure that the power outlet has power by connecting another device to it.
- ❑ Try replacing the power adapter with another power adapter.

If the LINK/ACT LED is OFF, do the following:

- ❑ Check to be sure that the end-node connected to the port on the switch is powered ON. If the end-node is OFF, power the unit ON.
- ❑ Check that the cable is securely connected to the port on the switch and on the end-node.
- ❑ Check to be sure that the distance between the switch and the end-node does not exceed 100 meters (328 feet).
- ❑ Check to be sure that you are using Category 5 cable.
- ❑ Check to be sure that the cable has not been cut or damaged.

If there is a communication problem between the end-nodes connected to the switch, do the following:

- ❑ Verify that the switch and end-nodes are operating with the same duplex mode.

If you are still experiencing problems after testing and troubleshooting the installation, refer to "Contacting Allied Telesyn Technical Support" on page x or visit our web site at **www.alliedtelesyn.com** for support information.

Technical Specifications

Physical

Dimensions:	W x D x H 100 x 78.5 x 26 mm (3.93 x 3.09 x 1.02 in)

Temperature

Maximum Operating	0° to 40° C
Maximum Storage	-25° to 70° C
Operating Humidity	10% to 90% Relative Humidity

Electrical Rating

Input Supply Voltage:	7.5V @ 1A
Power Consumption:	4W

Agency Compliance

Standards Compatibility:	IEEE 802.3 IEEE802.3u
Electromagnetic Emission:	FCC Class B CE Class B VCCI Class B

Appendix A

Translated Safety and Emission Information

Important: This appendix contains multiple-language translations for the safety statements in this guide.

Wichtig: Dieser Anhang enthält Übersetzungen der in diesem Handbuch enthaltenen Sicherheitshinweise in mehreren Sprachen.

Vigtigt: Dette tillæg indeholder oversættelser i flere sprog af sikkerhedsadvarslerne i denne håndbog.

Belangrijk: Deze appendix bevat vertalingen in meerdere talen van de veiligheidsopmerkingen in deze gids.

Important: Cette annexe contient la traduction en plusieurs langues des instructions de sécurité figurant dans ce guide.

Tärkeää: Tämä liite sisältää tässä oppaassa esiintyvät turvaohjeet usealla kielellä.

Importante: questa appendice contiene traduzioni in più lingue degli avvisi di sicurezza di questa guida.

Viktig: Dette tillegget inneholder oversettelser til flere språk av sikkerhetsinformasjonen i denne veiledningen.

Importante: Este anexo contém traduções em vários idiomas das advertências de segurança neste guia.

Importante: Este apéndice contiene traducciones en múltiples idiomas de los mensajes de seguridad incluidos en esta guía.

Obs! Denna bilaga innehåller flerspråkiga översättningar av säkerhetsmeddelandena i denna handledning.

Standards: This product meets the following standards:

U.S. Federal Communications Commission

Declaration Of Conformity

Manufacture Name:	Allied Telesyn, Inc.
Manufacture Address:	960 Stewart Drive, Suite B Sunnyvale, CA 94086 USA
Manufacture Telephone:	408-730-0950
Declares that the product:	Ethernet Switch
Model Number:	AT-FS705LE

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Radiated Energy

Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

1	**RFI Emissions**	EN55022 Class B
2	**Warning**: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.	
3	**Immunity**	EN50082-1 1997
4	**Electrical Safety**	UL 1950, EN60950, VCCI Class B

Safety

5 **Caution:** Power cord is used as a disconnection device. To de-energize equipment, disconnect the power cord.

6 Pluggable Equipment, the socket outlet shall be installed near the equipment and shall be easily accessible.

7 **Caution:** Air vents must not be blocked and must have free access to the room ambient air for cooling.

8 **Operating Temperature:** This product is designed for a maximum ambient temperature of 40° degrees C.

9 **All Countries:** Install product in accordance with local and National Electrical Codes.

10 Europe - EU: Use TÜV licensed AC adapter of DC 7.5V, 1A.

11 USA/Canada: Use a UL Listed/CSA Certified AC adapter of DC 7.5V, 1A.

Normen: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

1	Hochfrequenzstörung	EN55022 Klasse B

2 **Warnung**: Bei Verwendung zu Hause kann dieses Produkt Funkstörungen hervorrufen. In diesem Fall müßte der Anwender angemessene Gegenmaßnahmen ergreifen.

3	Störsicherheit	EN50082-1 1997
4	Elektrische Sicherheit	UL 1950, EN60950, VCCI Class B

Sicherheit

5 **Vorsicht:** Das netzkabel dient zum trennen der stromversorgung. Zur trennung vom netz, kabel aus der steckdose ziehen.

6 Steckbares Gerät: Die Anschlußbuchse sollte in der Nähe der Einrichtung angebracht werden und leicht zugänglich sein."

7 **Vorsicht:** Die Entlüftungsöffnungen dürfen nicht versperrt sein und müssen zum Kühlen freien Zugang zur Raumluft haben.

8 **Betriebstemperatur:** Dieses Produkt wurde für den Betrieb in einer Umgebungstemperatur von nicht mehr als 40° C entworfen.

9 **Alle Länder:** Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.

10 Gebrauchen Sie einen von TÜV zugelassenen Wechselstromadapter für Gleichstrom 7,5 V, 1A.

Standarder: Dette produkt tilfredsstiller de følgende standarder.

1 Radiofrekvens forstyrrelsesemission: EN55022 Klasse B

2 **Advarsel**: I et hjemligt miljø kunne dette produkt forårsage radio forstyrrelse. Bliver det tilfældet, påkræves brugeren muligvis at tage tilstrækkelige foranstaltninger.

3	Immunitet	EN50082-1 1997
4	Elektrisk sikkerhed	UL 1950, EN60950, VCCI Class B

Sikkerhed

5 **Advarsel:** Den strømførende ledning bruges til at afbryde strømmen. Skal strømmen til apparatet afbrydes, tages ledningen ud af stikket.

6 Udstyr Til Stikkontakt, stikkontakten bør installeres nær ved udstyret og skal være lettilgængelig.

7 **Advarsel:** Ventilationsåbninger må ikke blokeres og skal have fri adgang til den omgivende luft i rummet for afkøling.

8 **Betjeningstemperatur:** Dette apparat er konstrueret til en omgivende temperatur på maksimum 40 grader C.

9 **Alle Lande:** Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.

10 Brug kun TÜV godkendt vekselstrømstransformator på 7.5 V jævnstrøm, 1A.

Eisen: Dit product voldoet aan de volgende eisen.

1 RFI Emissie EN55022 Klasse B

2 **Waarschuwing**: Binnenshuis kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan worden om gepaste maatregelen te nemen.

3 Immuniteit EN50082-1 1997

4 Electrische Veiligheid UL 1950, EN60950, VCCI Class B

Veiligheid

5 **Waarschuwing:** Het toestel wordt uitgeschakeld door de stroomkabel te ontkoppelen.Om het toestel stroomloos te maken: de stroomkabel ontkoppelen.

6 Aan Te Sluiten Apparatuur, de contactdoos wordt in de nabijheid van de apparatuur geïnstalleerd en is gemakkelijk te bereiken."

7 **Opgelet:** De ventilatiegaten mogen niet worden gesperd en moeten de omgevingslucht ongehinderd toelaten voor afkoeling.

8 **Bedrijfstemperatuur:** De omgevingstemperatuur voor dit produkt mag niet meer bedragen dan 40 graden Celsius.

9 **Alle LandeN:** het toestel installeren overeenkomstig de lokale en nationale elektrische voorschriften.

10 Gebruik een door TÜV gekeurde wisselstroomadapter van 7,5 Volt gelijkstroom, 1 ampères.

Normes: ce produit est conforme aux normes de suivantes.

1	Emission d'interférences radioélectriques	EN55022 Classe B

2 **Mise En Garde**: Dans un environnement domestique, ce produit peut provoquer des interférences radioélectriques. Auquel cas, l'utilisateur devra prendre les mesures adéquates.

3	Immunité	EN50082 - 1 1997
4	Sécurité électrique	UL 1950, EN60950, VCCI Class B

5 **Danger De Foudre**
Danger: Ne pas manier le matériel ou les câbles lors d'activité orageuse.

6 Equipement Pour Branchement Electrique, la prise de sortie doit être placée près de l'équipement et facilement accessible".

7 **Attention:** Ne pas bloquer les fentes d'aération, ceci empêcherait l'air ambiant de circuler librement pour le refroidissement.

8 **Température De Fonctionnement:** Ce matériel est capable de tolérer une température ambiante maximum de ou 40 degrés Celsius.

9 **Pour Tous Pays:** Installer le matériel conformément aux normes électriques nationales et locales.

10 Utiliser un adaptateur secteur conforme TÜV de 7,5 V, 1 A en courant continu.

Standardit: Tämä tuote on seuraavien standardien mukainen.

1	Radioaaltojen häirintä	EN55022 Luokka B

2 **Varoitus**: Kotiolosuhteissa tämä laite voi aiheuttaa radioaaltojen häiröitä, missä tapauksessa laitteen käyttäjän on mahdollisesti ryhdyttävä tarpeellisiin toimenpiteisiin.

3	Kestävyys	EN50082-1 1997
4	Sähköturvallisuus	UL 1950, EN60950, VCCI Class B

Turvallisuus

5 **Huomautus:** Virtajohtoa käytetään virrankatkaisulaitteena. Virta katkaistaan irrottamalla virtajohto.

6 Pistorasiaan Kytkettävä Laite; pistorasia on asennettava laitteen lähelle ja siihen on oltava esteetön pääsy."

7 **Huomautus:** Ilmavaihtoreikiä ei pidä tukkia ja niillä täytyy olla vapaa yhteys ympäröivään huoneilmaan, jotta ilmanvaihto tapahtuisi.

8 **Käyttölämpötila:** Tämä tuote on suunniteltu ympäröivän ilman maksimilämpötilalle 40°C.

9 **Kaikki Maat:** Asenna tuote paikallisten ja kansallisten sähköturvallisuusmääräysten mukaisesti.

10 Käytä TÜV-lisenssillä valmistettua verkkosovitinta, jonka tasajännitteen nimellisarvot ovat DC 7,5 V, 1 A (ampeeria).

Standard: Questo prodotto è conforme ai seguenti standard.

1	Emissione RFI (interferenza di radiofrequenza)	EN55022 Classe B

2 **Avvertenza:** in ambiente domestico questo prodotto potrebbe causare radio interferenza. In questo caso potrebbe richiedersi all'utente di prendere gli adeguati provvedimenti.

3	Immunità	EN50082-1 1997
4	Sicurezza elettrica	UL 1950, EN60950, VCCI Class B

Norme Di Sicurezza

5 **Attenzione:** Il cavo di alimentazione è usato come dispositivo di disattivazione. Per togliere la corrente al dispositivo staccare il cavo di alimentazione.

6 Apparecchiatura Collegabile, la presa va installata vicino all'apparecchio per risultare facilmente accessibile".

7 **Attenzione:** le prese d'aria non vanno ostruite e devono consentire il libero ricircolo dell'aria ambiente per il raffreddamento.

8 **Temperatura Di Funzionamento:** Questo prodotto è concepito per una temperatura ambientale massima di 40 gradi centigradi.

9 **Tutti I Paesi:** installare il prodotto in conformità delle vigenti normative elettriche nazionali.

10 Utilizzare l'adattatore per c.a. da 7,5 V c.c. e 1 A conforme alla normativa TÜV.

Sikkerhetsnormer: Dette produktet tilfredsstiller følgende sikkerhetsnormer.

1	RFI stråling	EN55022 Klasse B
2	**Advarsel**: Hvis dette produktet benyttes til privat bruk, kan produktet forårsake radioforstyrrelse. Hvis dette skjer, må brukeren ta de nødvendige forholdsregler.	
3	Immunitet	EN50082-1 1997
4	Elektrisk sikkerhet	UL 1950, EN60950, VCCI Class B

Sikkerhet

5 **Forsiktig:** Strømledningen brukes til å frakoble utstyret. For å deaktivisere utstyret, må strømforsyningen kobles fra.

6 Utstyr For Stikkontakt. Stikkontakten skal monteres i nærheten av utstyret og skal være lett tilgjengelig."

7 **Forsiktig:** Lufteventilene må ikke blokkeres, og må ha fri tilgang til luft med romtemperatur for avkjøling.

8 **Driftstemperatur:** Dette produktet er konstruert for bruk i maksimum romtemperatur på 40 grader celsius.

9 **Alle Land:** Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.

10 Benytt TÜV-godkjent AC-adapter på 7,5V DC, 1A (milliampere).

Padrões: Este produto atende aos seguintes padrões.

1	Emissão de interferência de radiofrequência	EN55022 Classe B

2 **Aviso**: Num ambiente doméstico este produto pode causar interferência na radiorrecepção e, neste caso, pode ser necessário que o utente tome as medidas adequadas.

3	Imunidade	EN50082-1 1997
4	Segurança Eléctrica	UL 1950, EN60950, VCCI Class B

Segurança

5 **Cuidado:** O cabo de alimentação é utilizado como um dispositivo de desconexão. Para deseletrificar o equipamento, desconecte o cabo de alimentação.

6 Equipamento De Ligação, a tomada eléctrica deve estar instalada perto do equipamento e ser de fácil acesso."

7 **Cuidado:** As aberturas de ventilação não devem ser bloqueadas e devem ter acesso livre ao ar ambiente para arrefecimento adequado do aparelho.

8 **Temperatura De FuncionamentO:** Este produto foi projetado para uma temperatura ambiente máxima de 40 graus centígrados.

9 **Todos Os Países:** Instale o produto de acordo com as normas nacionais e locais para instalações elétricas.

10 Use um adaptador de corrente alternada com saída DC de 7,5V e 1A em conformidade com as especificações da TÜV.

Estándares: Este producto cumple con los siguientes estándares.

1	Emisión RFI	EN55022 Clase B
2	**Advertencia**: en un entorno doméstico, este producto puede causar radiointerferencias, en cuyo caso, puede requerirse del usuario que tome las medidas que sean convenientes al respecto.	
3	Inmunidad	EN50082-1 1997
4	Seguridad eléctrica	UL 1950, EN60950, VCCI Class B

Seguridad

5 **Atencion:** El cable de alimentacion se usa como un dispositivo de desconexion. Para desactivar el equipo, desconecte el cable de alimentación.

6 Equipo Conectable, el tomacorriente se debe instalar cerca del equipo, en un lugar con acceso fácil".

7 **Atencion:** Las aberturas para ventilación no deberán bloquearse y deberán tener acceso libre al aire ambiental de la sala para su enfriamiento.

8 **Temperatura Requerida Para La Operación:** Este producto está diseñado para una temperatura ambiental máxima de 40 grados C.

9 **Para Todos Los Países:** Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.

10 Utilizar un adaptador de corriente alterna autorizado TÜV de 7,5 voltios de corriente continua y 1 amperios.

Standarder: Denna produkt uppfyller följande standarder.

1	Radiostörning	EN55022 Klass B
2	**Varning**: Denna produkt kan ge upphov till radiostörningar i hemmet, vilket kan tvinga användaren till att vidtaga erforderliga åtgärder.	
3	Immunitet	EN50082-1 1997
4	Elsäkerhet	UL 1950, EN60950, VCCI Class B

Säkerhet

5 **Varning:** Nätkabeln används som strömbrytare för att koppla från strömmen, dra ur nätkabeln.

6 Utrustning Med Plugg. Uttaget skall installeras i utrustningens närhet och vara lättåtkomligt".

7 **Varning:** Luftventilerna får ej blockeras och måste ha fri tillgång till omgivande rumsluft för avsvalning.

8 **Driftstemperatur:** Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.

9 **Alla Länder:** Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.

10 Använd en växelströmsanslutningsenhet licensierad av TÜV.Likström 7,5V, 1A.